

23. The medical lead of claim 13 wherein the orientation marker comprises radio-opaque material dispersed in the paddle in an asymmetric manner with respect to the width of the paddle.

24. The medical lead of claim 13 wherein the orientation marker comprises radio-opaque material dispersed substantially uniformly in an asymmetric portion arranged asymmetrically with respect to the width of the paddle.

25. A method of use of a medical lead having a paddle having first and second major surfaces, an electrode array comprising at least one electrode, the electrode array having directional electrical field properties relative to the first and second major surfaces, and an orientation marker for determining orientation of the lead, the orientation marking including fluoroscopically viewable material, the method comprising:

implanting the medical lead into a desired stimulation or sensing site in a patient; and
fluoroscopically viewing the orientation marker of the implanted lead; and
based on step of fluoroscopically viewing the orientation marker of the implanted lead, determining the orientation of the paddle.

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~~24.~~ The method of claim 23 wherein the electrode array comprises electrodes exposed only through the first major surface of the paddle, the step of fluoroscopically viewing the orientation marker of the implanted lead providing a definite indication of the direction the paddle is facing.

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~~25.~~ The method of claim 23 wherein the orientation marker is coded to identify the model or serial number of the lead, the method further comprising determining the model or serial number of the lead based on the step of fluoroscopically viewing the orientation marker of the implanted lead.

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~~26.~~ The method of claim 23 wherein the paddle defines an imaginary longitudinal center line, and the orientation marker comprises a discrete radio-opaque marker displaced from the longitudinal center line, the step of determining the orientation of the paddle including viewing the orientation marker and the paddle, and determining on which side of the imaginary center line the orientation marker appears to be positioned.

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The method of claim 1 wherein the orientation marker comprises radio-opaque material arranged in an asymmetric manner with respect to the width of the paddle, the step of determining the orientation of the paddle including viewing an apparent asymmetric position of the orientation marker on the paddle, and determining, based on the apparent asymmetric position of the orientation marker, which direction the paddle is facing.